PRODUCT INFORMATION PACKET

Model No: 141228.00
Catalog No: 141228.00
WATTSAVER® General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 & 3000 RPM, 213TC Frame, DP

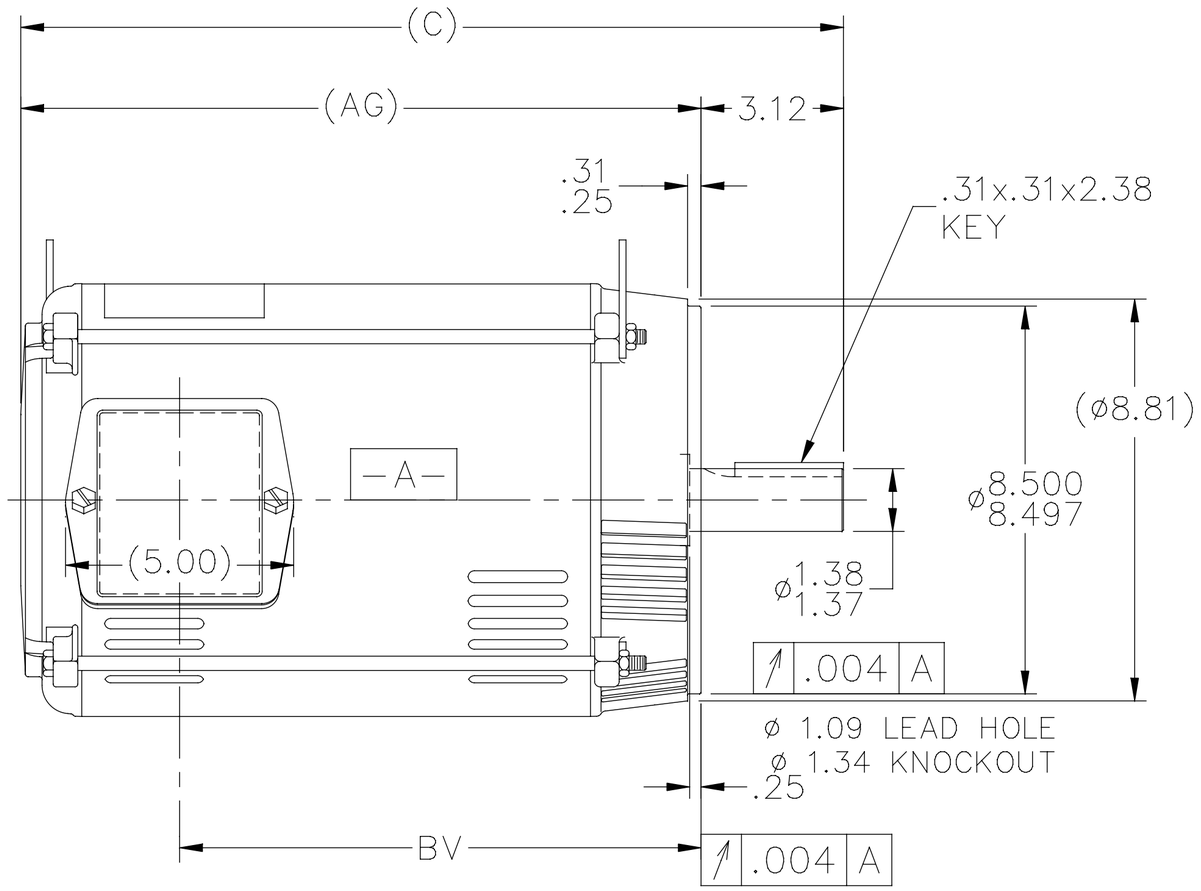
Nameplate Specifications

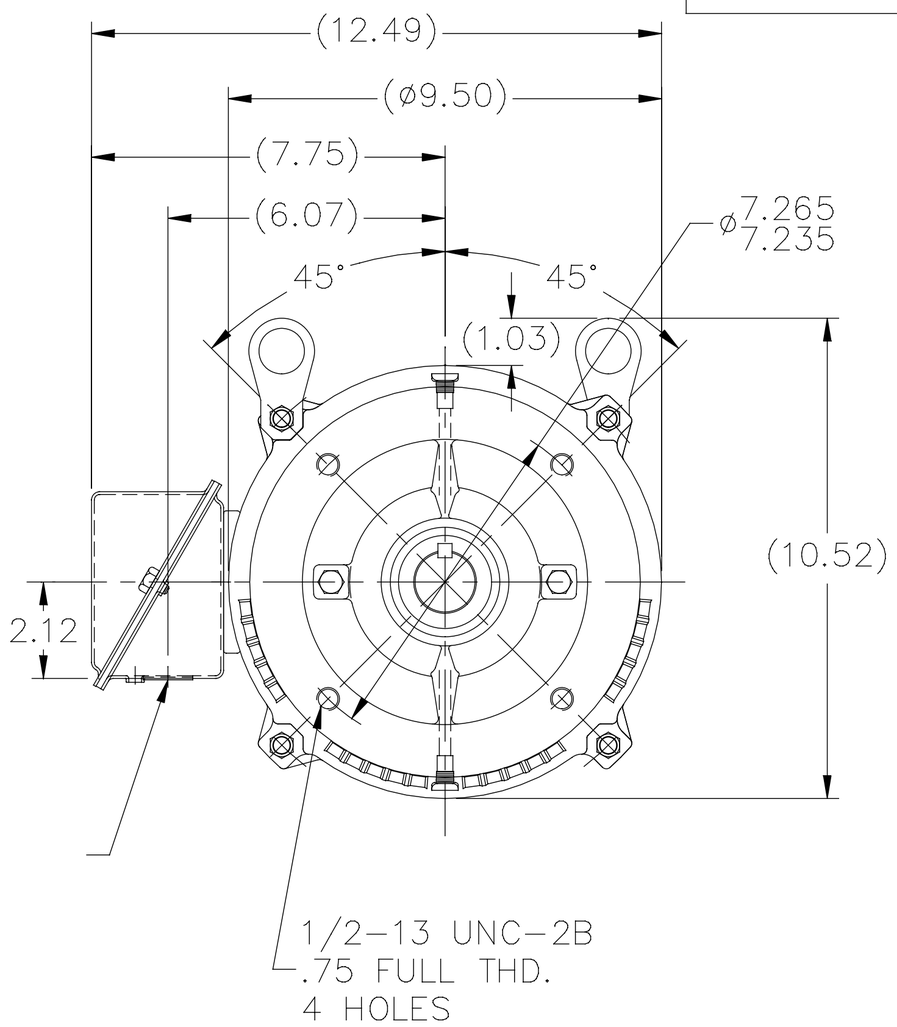
Phase	3	Output HP	10 & 7.50 Hp
Output KW	7.5 & 5.6 kW	Voltage	230/460 & 190/380 V
Speed	3530 & 2930 rpm	Service Factor	1.15 & 1.15
Frame	213TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	90.2 & 88.5 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	24.2/12.1 & 22.6/11.3 A	Power Factor	85.4
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	1.4632 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	18.03 in
Frame Length	11.15 in	Shaft Diameter	1.375 in
Shaft Extension	3.12 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	005010.01	Outline Drawing	SS86595-1115

SS86595





DASH	FR.	C	AG	BV	MOUNTING
965	213T	16.53	13.41	9.93	
1115	213/15T	18.03	14.91	11.43	
1240	213/15T	19.28	16.16	12.68	

NOTES:
1. NAMEPLATE TO BE READ FROM C'BOX SIDE OF MOTOR.
2. BOX CAN BE MOUNTED IN 90° STEPS.

NO.	REVISION	BY & DATE	CHK
5	REDRAWN WITH REGAL LOGO	SR 17-07-2015	
4	REDRAWN IN AUTOCAD	TAT 06-29-2004	ML
3	UPDATED C' BOX GEOMETRY CN 28425	DRS 01-31-2000	SR
2	REMOVED NOTE: "C' BOX CAN BE MOUNTED ON	MJD 09-02-1999	
	OPPOSITE SIDE OF MOTOR" CN 23925-495		
1	NEW DRAWING – DES/DEV	DA 04-02-1996	

TOLERANCES UNLESS SPECIFIED	
DEC.	INCHES
.X	±.1
.XX	±.03
.XXX	±.005
.XXXX	±.0005
ANG	±7'30"

REGAL™ Regal Beloit America, Inc.

TITLE OUTLINE
210T FR. – BB – TS – DR.PR. –C' FACE

DRAWN	DA 03-26-1996
CHK	ML 04-01-1996
APPD	DN 04-01-1996
SCALE	1=5
REF	
FMF	
PREV	

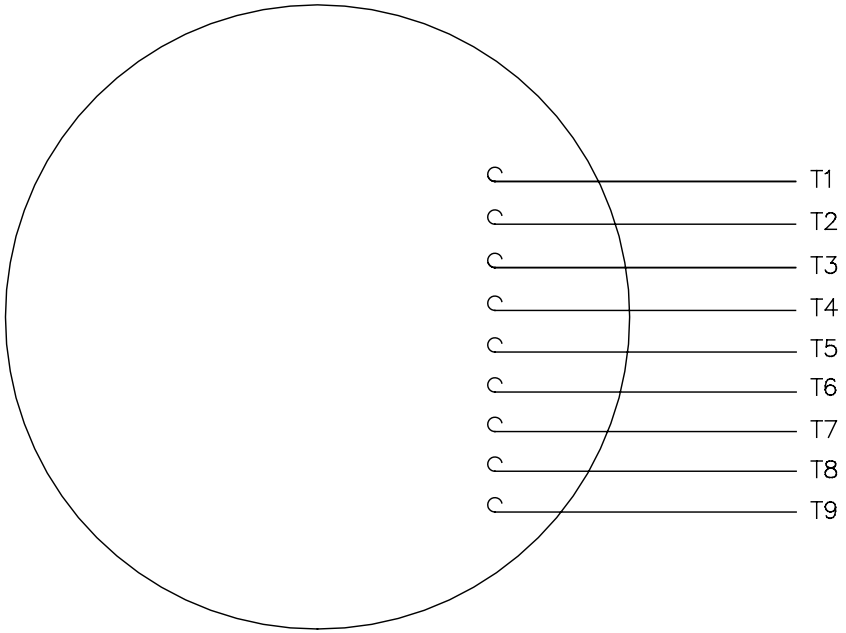
MAT'L.
FINISH

RFP
DIST LB
CAD FILE ss86595

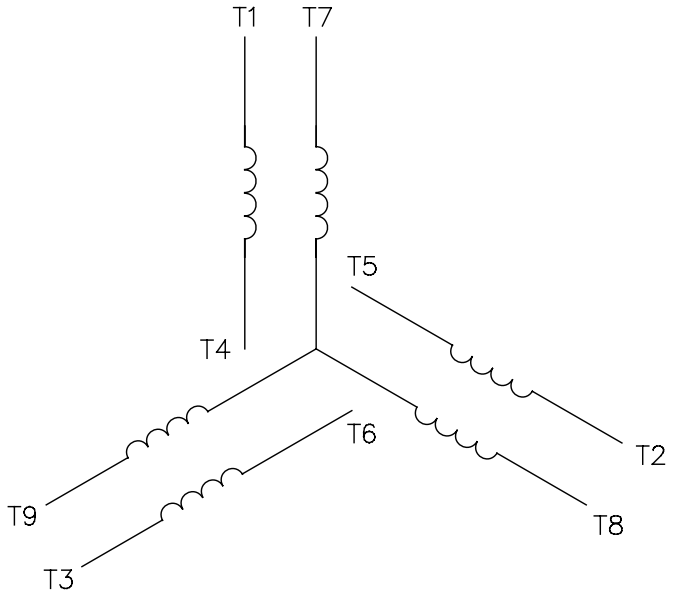
SIZE	DRAWING NO.	PAGE	OF	REV.
A	SS86595			5

005010-01

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HIGH	T1	T2	T3	(T4,T7) (T5,T8) (T6,T9)
LOW	T1,T7	T2,T8	T3,T9	T4,T5,T6

NO.	REVISION	BY & DATE	CHK
A	UPDATED TO REGAL LOGO	SAJ 06/26/15	AJY

TOLERANCES UNLESS SPECIFIED

DEC.	INCHES
.X	±.1
.XX	±.01
.XXX	±.005
.XXXX	±.0005
ANG	±1/2°

REGAL™ Regal Beloit America, Inc.

TITLE: EXTERNAL WIRING DIAGRAM 3 PHASE W/O PROTECTOR

MAT'L. DECAL – 004014

FINISH

CAD FILE 00501001

RFP 04/12/02

DIST BRF-NLV

DRAWN RDW 04/12/02 | CHK | APPD | SCALE 1=1 | REF FIG.2-51 | FMF | PREV

SIZE A | DRAWING NO. 005010-01 | REV. A

LEESON

CERTIFICATION DATA SHEET

1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CATALOG #: 141228.00

CONN. DIAGRAM: 005010.01

OUTLINE: SS86595-1115

MOUNTING: F1/F2 CAPABLE

WINDING #: K2132123 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&7 1/2	7.50&5.60	3600	3530&2930	213TC	DP	G	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60/50	230/460&190/380	24.2/12.1&22.6/11.3	LINE OR INVERTER	CONTINUOUS	F4	1.15/1.15	40

FULL LOAD EFF:	90.2&88.5	3/4 LOAD EFF:	91	1/2 LOAD EFF:	91	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	85.4&84	3/4 LOAD PF:	80.3	1/2 LOAD PF:	68.9	88.5	SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
14.9 LB-FT	158 / 79	25 LB-FT 168 %	43.2 LB-FT 290 %	47

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
75 dBA	85 dBA	0.45 LB-FT^2	5 LB-FT^2	15 SEC.	2	105 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL
6309	6206						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

NOTES

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INVERTER TORQUE: VARIABLE 10:1
INV. HP SPEED RANGE: NONE

ENCODER: NONE
NONE NONE
NONE NONE PPR

BRAKE: NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz

7/20/2018

Data Sheet

Date: 1/19/2018

141228.00

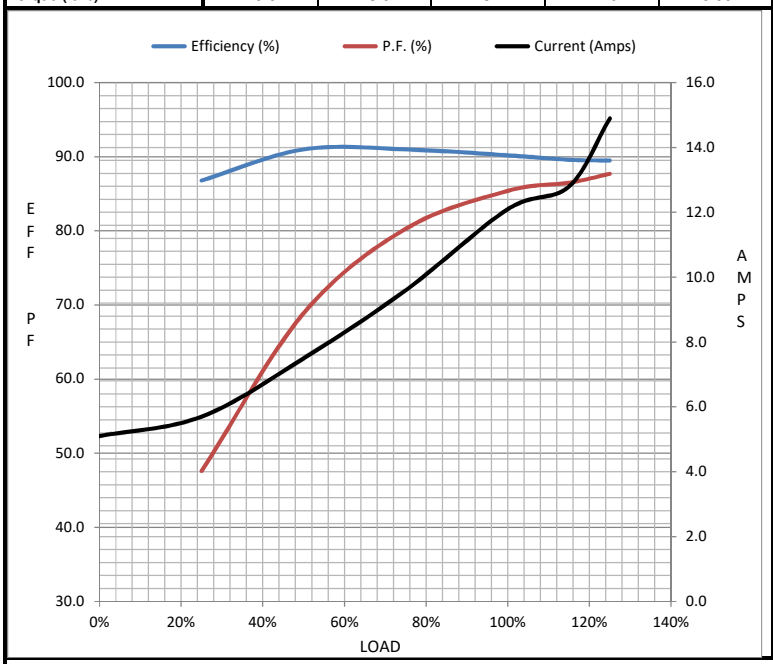
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.1	5.7	7.5	9.6	12.1	12.8	14.9	79.0	
Torque (ft-lb)	0.00	3.7	7.4	11.1	14.9	17.2	18.7	25.0	
RPM	3600	3568	3568	3552	3530	3,517	3511	0	
Efficiency (%)		86.8	91.0	91.0	90.2	89.6	89.5		
P.F. (%)	6.4	47.6	68.9	80.3	85.4	86.5	87.7	43.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	2985	3530	3600
Current (Amps)	79.0	73.0	53.5	12.1	5.1
Torque (ft-lb)	25.0	23.0	43.2	14.9	0.00



Information Block

HP	10.0	
Sync. RPM	3600	
Frame	213	
Enclosure	DP	
Construction	TDW	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	B	
LR Code letter	G	
Service Factor	1.15	
Temp Rise @ FL	47	° C
Duty	CONT	
Ambient	40	° C
Elevation	1,000	feet
Rotor/Shaft wk²	0.45	Lb-Ft²
Ref Wdg	K2132123 NONE	
Sound Pressure @ 1M	75	dBA
VFD Rating	CONSTANT 10:1	
Outline Dwg	SS86595-1115	
Conn. Diag	005010.01	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.8910	0.4250	2.1840	1.2590	48.3200

Speed -Torque Curve